

ATom - DC-8 10/27/17 Science Report

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Date: Friday, October 27, 2017

Mission: ATom

Mission Summary:

ANCHORAGE-PALMDALE ATom III Report

Submitted by: Erin Czech on 05/29/18

File:

 [ANCHORAGE-PALMDALE ATom III Report.pdf](#)

Related Flight Report:

DC-8 10/27/17 - 10/28/17

Flight Number: 1234

Payload Configuration: ATom-3 configuration - AMP, AO2, ARMAS, ATHOS, CAFE, CAFS, CAPS, CIT-CIMS, DLH, DLH-X, GT-CIM, HR-AMS, ISAF, Medusa, MMS, NOAA-CIMS, NOyO3, PALMS, PANTHER, PFP, Picarro, QCLS, SAGA, SP, TOGA, UCATS, WAS

Nav Data Collected: Yes

Total Flight Time: 6.5 hours

Archive Data: [20171027](#) (78 archive (plain-text) files; 4 binary files)

Submitted by: Timothy Moes on 10/29/17

Flight Segments:

From:	PANC - Anchorage International	To:	KPMD - Palmdale
Start:	10/27/17 18:24 Z	Finish:	10/28/17 00:53 Z
Flight Time:	6.5 hours		
Log Number:	188001 - Completed as of this flight.	PI:	Steven Wofsy
Funding Source:	Jennifer Olson - NASA - SMD - ESD - ESSP Mission Manager		
Purpose of Flight:	Science		
Comments:	ATom-3 Science Flight RF13 PANC-KPMD. This is the final flight of the ATom-3 campaign. Rough start prior to takeoff as the generators would not parallel so we chose to rebalance some of the converter loads and fly unparallelled. No problems during the flight with power to the science instruments. Completed 5.2 vertical profile maneuvers and an eddy flux maneuver at 500', 2000', and 4200' over the ocean. CAFS zenith sensor was INOP the whole flight. Other than that, the science instruments did well and the aircraft returned in good shape. That concludes ATom-3.		

Flight Hour Summary:

	188001
Flight Hours Approved in SOFRS	107.6
Total Used	103.5
Total Remaining	4.1

188001 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
10/01/17 - 10/02/17	1223	Science	10	10	97.6	
10/04/17 - 10/05/17	1224	Science	7.4	17.4	90.2	

10/06/17 - 10/07/17	1225	Science	8.9	26.3	81.3
10/09/17 - 10/10/17	1226	Science	9.2	35.5	72.1
10/12/17 - 10/13/17	1227	Science	9.9	45.4	62.2
10/14/17	1228	Science	10.7	56.1	51.5
10/17/17	1229	Science	9.5	65.6	42
10/19/17	1230	Science	4.6	70.2	37.4
10/20/17	1231	Science	7.7	77.9	29.7
10/23/17	1232	Science	9.5	87.4	20.2
10/25/17	1233	Science	9.6	97	10.6
10/27/17 - 10/28/17	1234	Science	6.5	103.5	4.1

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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